Group Art Unit: Not Yet Assigned

Examiner: Not Yet Assigned

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Keith D. Trott, et al.

Appl. No.:

Not Yet Assigned

Filed

July 11, 2003

Entitled

WIDEBAND PHASED ARRAY RADIATOR

Docket

RTN-141PUS

Certificate of Mailing (37 C.F.R. 1.8(a))

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Date of Signature and Mail Deposit By:

Christopher S. Daly Reg. No. 37,303

Attorney for Applicant(s)

INFORMATION DISCLOSURE STATEMENT

MS Patent Application Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

It is desired to cite for the record in this application the enclosed documents listed on the attached copy of PTO form PTO/SB/08A (Formerly #1449). The paragraph(s) marked below are applicable to this Information Disclosure Statement.

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Filed: July 11, 2003

Atty. Docket No.: RTN-141PUS Client Case No.: 00E112

- [X] (1) The enclosed Information Disclosure Statement is being filed: within three months of the filing date; or within three months of the entry of the national stage of the above-identified application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. Accordingly, Applicant(s) believes that no fee or statement is required.
- [] (2) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by the fee set forth in 37 C.F.R. § 1.17(p).

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[] (3) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1. 97(e)(2)

[] (4) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was

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cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(1)

[] (5) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(2)

[] (6) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to

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any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56(c) more than three

months prior to the filing of the accompanying Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the

undersigned as to personal knowledge of the contents of every word or phrase of the material

enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the

relevance of each document, such a designation is deemed to satisfy Rule 98(a) (3) even if in a

foreign language, since the few terms of relevance therein are deemed of universal cognizance.

However, Applicant(s) does not necessarily adopt the position reflected by that report.

The Commissioner is hereby authorized to charge payment of any additional fees associated with

this communication or credit any overpayment to Deposit Account No. 500845.

Respectfully submitted,

Dated: 1July 03

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Complete if Known Substitute for form 1449/PTO Application Number Not Yet Assigned Filing Date July 11, 2003 INFORMATION DISCLOSURE First Named Inventor Keith D. Trott STATEMENT BY APPLICANT Art Unit Not Yet Assigned (Use as many sheets as necessary) **Examiner Name** Not Yet Assigned Sheet Attorney Docket Number RTN-141PUS

Examiner	Cite	Dogument North		DOCUMENTS	
Initials*	No.1	Document Number Number-Kind Code ^{2 (# known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		^{US-} 3,836,976	09/17/1974	Monser et al.	
		^{US-} 4,500,887	02/19/1985	Nester	
		^{US-} 4,973,925	11/27/1990	Nusair et al.	
		^{US-} 5,070,340	12/03/1991	Diaz	
		^{US-} 5,185,611	02/09/1993	Bitter, Jr.	
		^{US-} 5,208,602	05/04/1993	Monser et al.	
		^{US-} 5,248,987	09/28/1993	Lee	
		^{US-} 5,428,364	06/27/1995	Lee et al.	
		^{US-} 5,786,792	07/28/1998	Bellus et al.	
		^{US-} 5,949,382	09/07/1999	Quan	
		^{US-} 5,977,911	11/02/1999	Green et al.	
		^{US-} 6,271,799	08/07/2001	Rief et al.	
		^{US-} 6,292,153	09/18/2001	Aiello et al.	
		^{US-} 6,300,906	10/09/2001	Rawnick et al.	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages		
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T ⁶	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.

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Substitute	e for form 1449/PTC	,		Application Numb r	Not Yet Assigned		
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STATEMENT BY APPLICANT			PLICANT	First Named Invent r	Keith D. Trott		
(Use as many sheets as necessary)				Art Unit	Not Yet Assigned		
				Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	RTN-141PUS		

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HERSCOVICI, "Extremely Wide-Band Antennas For Wireless Communication;" Presented at 1998 Wireless Symposium; Cushcraft Corp.; two pages	
		SCHAUBERT et al.; "Wideband Vivaldi Arrays For Large Aperture Antennas;" A.B. Smolders and M.P. van Haarlem; Perspectives on Radio Astronomy - Technologies for Large Antenna Arrays; Netherlands Foundation for Research in Astronomy 1999; pages 50-57	
		SMOLDERS et al.; "Wide-Band Antenna Element With Integrated Balun;" Presented at the IEEE APS int. Symposium Atlanta USA 1998; four pages	
		YORK; "Broadband Microwave Power Combiners Using Active Arrays in an Oversized Coasial Waveguide;" Final Report 1997-98 for Micro project 97-217; Sponsored by Hughes Space and Communications, El Segundo, CA, USA; three pages	
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Examiner	Date	
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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